



A description of
ORDNANCE SURVEY
SMALL SCALE
MAPS

*Published by the Director General
at the Ordnance Survey Office,
Chessington, Surrey.*

1947

Price One Shilling and Sixpence



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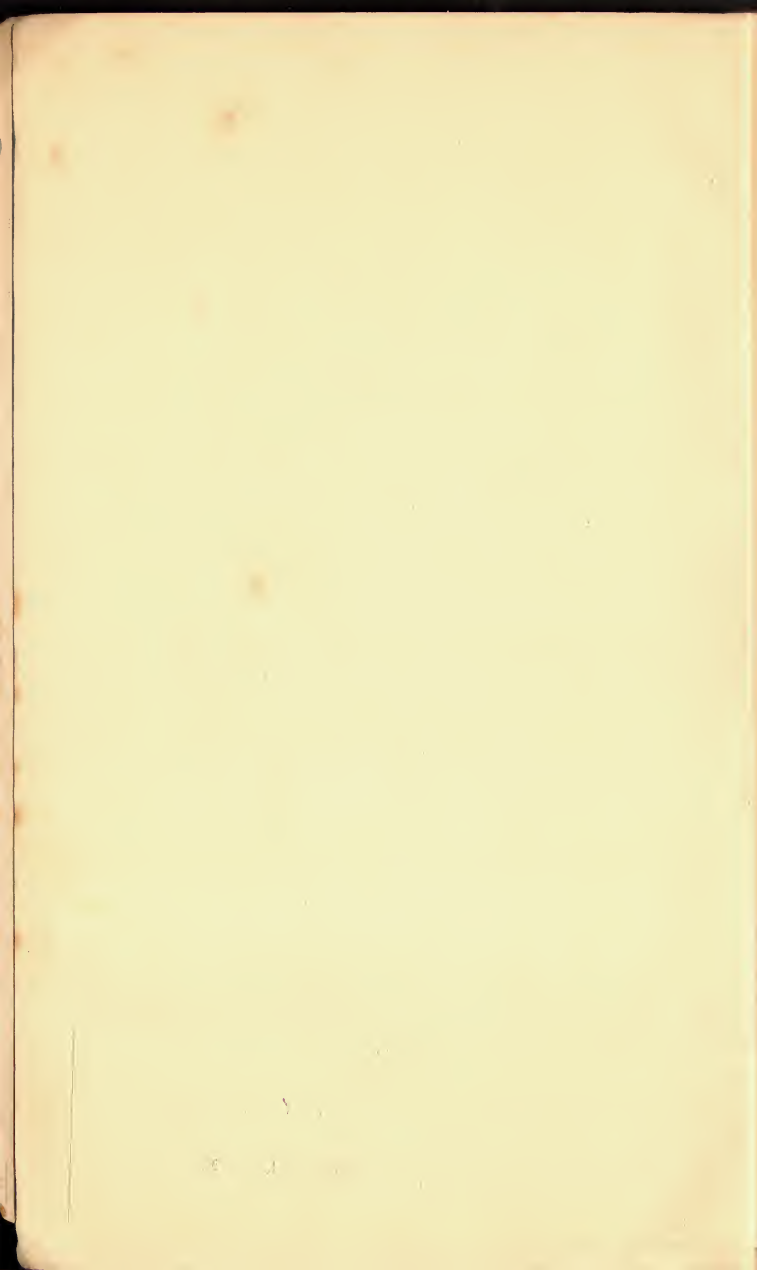
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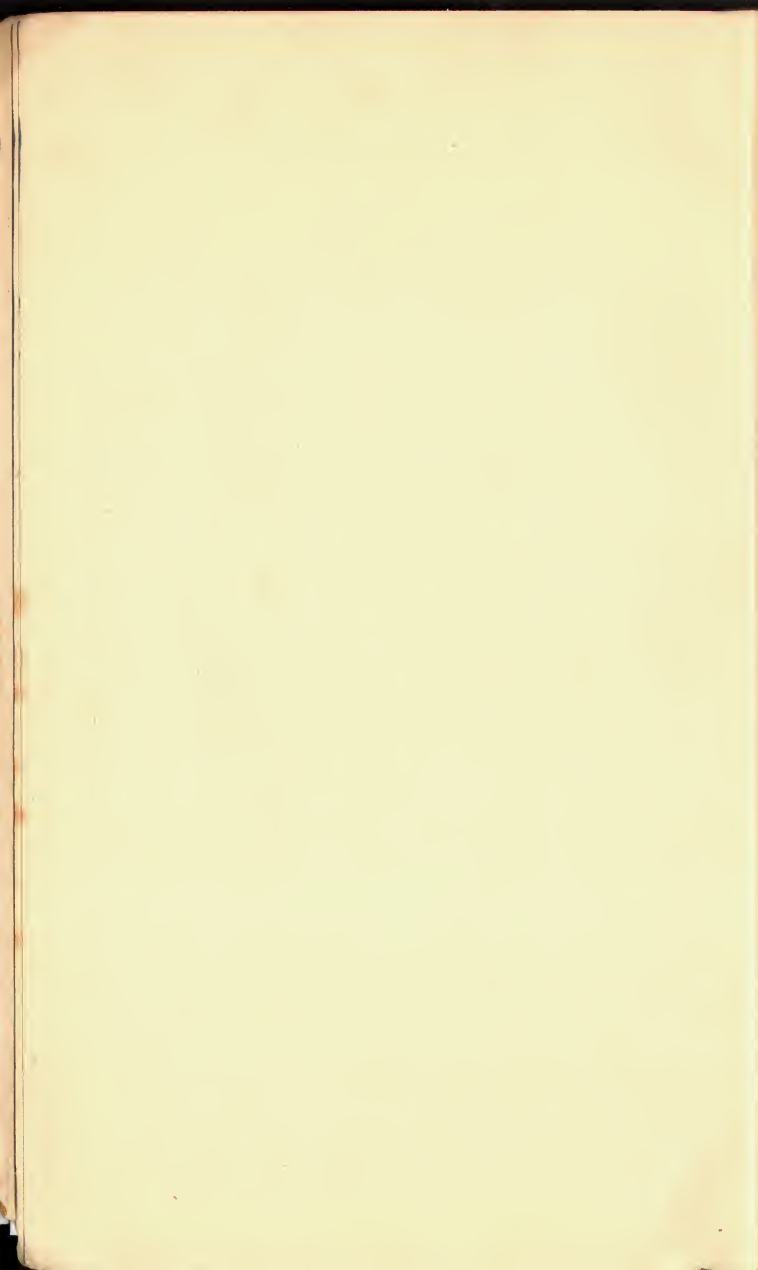
EDINBURGH : W. & A. K. JOHNSTON, LTD.,
Edina Works, Easter Road.

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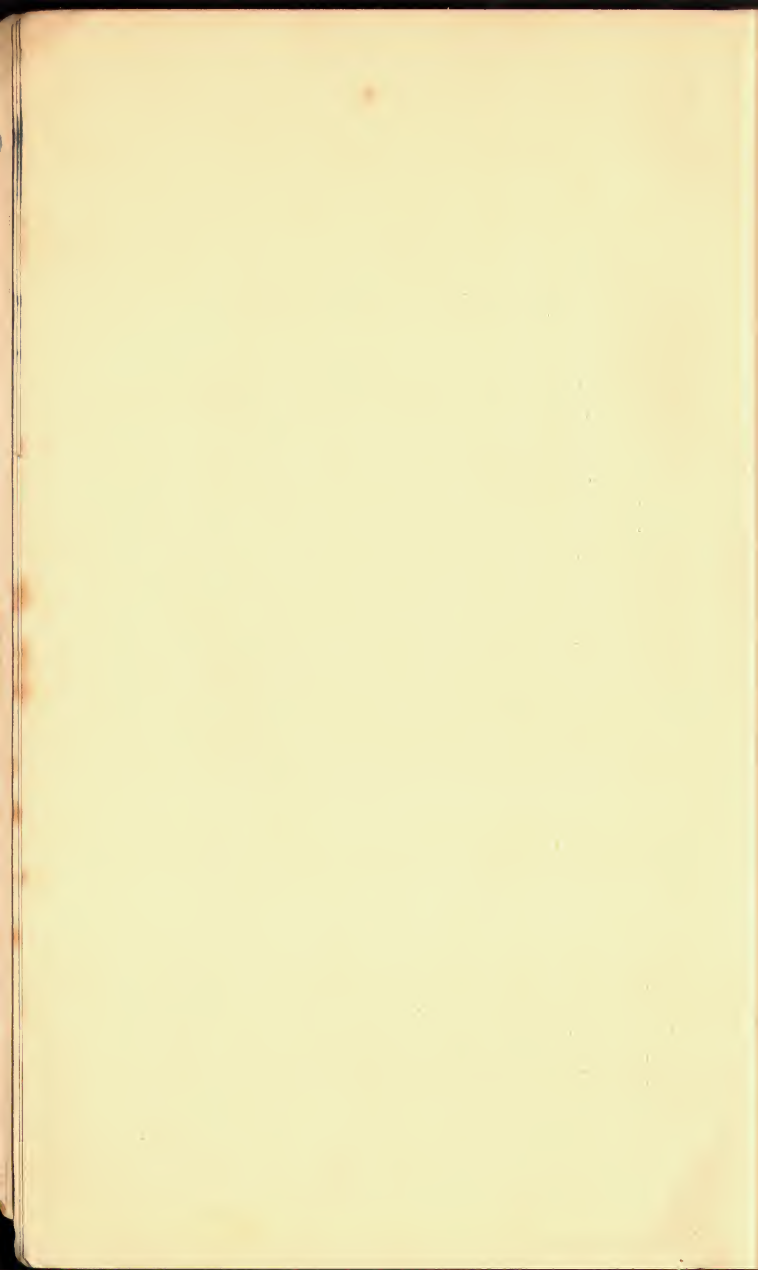
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PLATES

(Each plate is a representative portion only of the map specified, but indexes are complete.)

1. Symbols used on the One-Inch Map New Popular, and the New Popular Provisional Editions of England & Wales.
2. One-Inch Maps (England & Wales) New Popular Outline Edition.
3. One-Inch Maps (England & Wales) New Popular Edition.
4. Index to the Sheets of the One-Inch New Popular Edition Maps of England & Wales.
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6. Index to the Sheets of the One-Inch Popular Edition Map of Scotland.
7. One-Inch Maps (England & Wales), 2nd War Revision (with Military Grid).
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17. 1/M (1/1,000,000) Maps (Great Britain) in the style of the International Map of the World.
18. 1/M (1/1,000,000) Maps (Great Britain): Physical Map.
19. Period Maps on the scale of 1/M: Roman Britain.



A General Note on the Ordnance Survey Maps of Great Britain

*The aim of the Ordnance Survey is to
serve the Nation in its work and its play*

When the war broke out in 1939 the Ordnance Survey was about to begin a programme based upon the recommendations of the departmental committee presided over by Lord Davidson which reported in 1938. Instead of beginning this programme, it has devoted the whole of its energies for six years to producing maps and surveys designed to help the prosecution of the war. The vast majority of this work has been concerned with the mapping of foreign countries, but some of it has been connected with the defence of this country and has consequently provided material which can now be used to help the re-establishment of Ordnance Survey maps in their popular form.

It is no secret that during the war the Ordnance Survey suffered heavily from enemy attacks, and although precautions had been taken to safeguard duplicates of material which had been completed, a great number of records which were in use at the beginning of the war were lost. These records unfortunately included a large number of partly completed drawings of the new Sixth Edition of the 1-inch map, which, owing to their incomplete state, had not been photographed.

During the war, any unpublished material which has been available has been used for the immediate purpose of producing military maps for the defence of this country. Some of this material has been progressively released for general use, as in the case of the Second War Revision Edition of the 1-inch map, which was put on sale to the public as makeshift to cover those parts of the country for which New Popular 6th Edition sheets were not then available.

In particular, the maps produced for the army during the war incorporated a reference system known as the Military Grid. This system suffered from certain defects which, though they caused some inconvenience, were tolerable on the comparatively small scale of military maps. These defects, however, were unacceptable in a system of National reference for use on all scales of map, including the new proposed 1/1250 plans of the Davidson Committee programme. It was accordingly necessary to replace these military maps by the new Ordnance Survey series designed for general use and incorporating the system known as the National Grid as early as possible.

During the war, a map was prepared for military purposes at a scale of 1/25,000, or about $2\frac{1}{2}$ inches to the mile, covering the whole country. The production of a map on such a scale for trial in selected areas was recommended by the Davidson Committee. The favourable reception given to this military edition by planners, in spite of the fact that its appearance suffered from the hasty way in which it was produced, led to the decision to produce a specially designed map covering the country at this scale.

Mention must be made of two more new features which the Ordnance Survey is presenting to the post-war public.

The closely built-up areas of the country will be surveyed at 1/1,250 (about 50 inches to the mile), instead of at 1/2,500 as has been the previous practice. These areas will, however, be published at both these scales.

Secondly, as a stop gap until the 1/1,250 plans are published, air photo mosaics of selected towns are being produced on the same sheet lines and at approximately the same scale.

It is against this background that the following programme of maps should be considered.

SMALL SCALE MAPS (described in this pamphlet).

- (i) 1/M in the style of the International Map, but with the National Grid.
- (ii) 10 Miles to the Inch. Not now available. The place of these maps is being taken by the Ministry of Town and Country Planning series: see (vi.) (b).
- (iii) Quarter-Inch Layered and Outline Editions with the National Grid are now published covering Great Britain.
- (iv) Half-Inch, Great Britain. A new series on new sheet lines is now being designed to supersede the pre-war edition which is no longer available.

- (v) (a) One-Inch, England & Wales.
The new Popular 6th Edition with the National Grid will supersede the 2nd War Revision with the Military Grid over the whole country during 1947. The sheet lines of the two editions differ.
- (b) One-Inch, Scotland.
The popular edition with the National Grid will supersede the 2nd War Revision with the Military Grid over the whole country during 1947. The sheet lines for both editions are the same.

SPECIAL MAPS (described in this pamphlet).

- (vi) (a) Period Maps.
- (b) 1/625,000 Planning Series.
- (c) Administrative diagrams.
- (d) Miscellaneous Sheets.

MEDIUM SCALES (described in "A description of the Medium Scale Maps of the Ordnance Survey," now in course of preparation).

- (vii) The Two-and-a-Half-Inch Map (1/25,000). Now in course of publication on sheet lines 10 Kilometres square based on the National Grid. This is being published as a Provisional Edition to be followed by a final Edition as each sheet is covered by the new Survey.
- (viii) Six-Inches to the Mile.
 - (a) On County Sheet lines, a reprint of the pre-war map.
 - (b) A provisional Edition on County Sheet lines incorporating a hasty revision of built-up areas up to 1938. This Edition has the National Grid superimposed.
 - (c) A new Edition on sheet lines 5 Kilometres square based on the National Grid which will be produced from the new large scale survey.

LARGE SCALES. (described in "A description of the Large Scale Maps of the Ordnance Survey," now in course of preparation).

- (ix) 1/2,500 Plans.
 - (a) On the County Sheet lines, a reprint of the pre-war plans with additional revision to 1940 in some areas.
 - (b) On 1 Kilometre square sheet lines based on the National Grid. These are in course of production and will be kept revised to date.
- (x) 1/1,250 Plans on half Kilometre sheet lines (quartering the 1/2,500 plans) based on the National Grid. The survey and production of these plans in built-up areas is now in hand. When the survey is completed, these plans will be kept revised to date.
- (xi) Air Photo Mosaics at an approximate scale of 1/1,250 and on the same sheet lines as the 1/1,250 plans covering selected towns.

NATIONAL GRID

Following the recommendations of the Departmental Committee in 1938, held under the Chairmanship of Lord Davidson, the NATIONAL REFERENCE INDEX or GRID is being incorporated in all NEW ORDNANCE SURVEY publications with certain exceptions.

The National Grid is a reference system giving a unique definition for every point in Great Britain. It is particularly useful for the collation of statistics, and provides that all maps are *ipso facto* index diagrams for maps and plans at larger scales.

Very shortly, the method adopted is as follows :—Great Britain is plotted on a projection known as the Transverse Mercator whose central meridian, 2° West, is a straight line. Two series of lines, perpendicular to, and parallel with, the central meridian, are drawn on the face of the map, 100, 10, or 1 Km. apart as may suit its scale. The squares thus formed enable anyone to define the position of a point on the map by its coordinates, that is to say, by its distance in Km. east and north of an origin chosen for convenience to be slightly S.W. of the Scilly Isles.

More information about the National Grid appears inside the cover of all folded styles of One-Inch and Quarter-Inch Maps, and still more detailed information is contained in O.S. Booklet No. 1/45, "A Brief Description of the National Grid & Reference System," published by His Majesty's Stationery Office, price 4d. per copy.

THE ORDNANCE SURVEY SMALL SCALE MAPS

This pamphlet gives some account of the Small Scale topographical Ordnance Survey Maps of Great Britain. They are published at the Headquarters of the Ordnance Survey at Chessington.

Motorists, cyclists, pedestrians, tourists and travellers generally will find these maps indispensable. They are obtained from any of the Ordnance Survey Map Agents, a list of whom will be found on pages 20 and 21 and through any bookseller, stationer, or railway bookstall. Any difficulty experienced should be referred to the Ordnance Survey Office, Chessington.

In ordering, the scale of the map required should be stated, also the country, sheet number, and style, thus:—One-Inch England and Wales, New Popular Edition, Sheet 182, mounted and folded. Or if the sheet number cannot be stated, it will be sufficient to mention the scale and the names of some important towns appearing on the sheet, thus :—The One Inch New Popular Edition sheet containing Worthing, paper folded.

ONE-INCH MAPS

(Specimens and Indexes : Plates 1 to 9)

Maps on the scale of ONE-INCH TO ONE MILE are the original standard maps of the Ordnance Survey and are admirably suited to the needs of walkers, cyclists, and motorists and all those who require accurate maps for scientific or commercial purposes. For walking, in particular, One-Inch maps are essential as it is impossible to delineate at any smaller scale the footpaths, byways, antiquities and the many topographical details which give charm to the countryside.

All roads are shown, and, in the coloured editions, are classified by means of distinctive colouring according to the nature of their surfaces, suitability for fast traffic, etc. Footpaths, towns, villages, railways and stations, rivers, streams, parks, woods, county boundaries, high and low watermarks are all accurately delineated. Altitudes above Mean Sea Level are shown along main roads and on the summits of high ground, and contours are drawn at 50 feet intervals. Antiquities are indicated by Old English or Roman characters.

The One-Inch Maps of ENGLAND AND WALES are prepared in the following forms :—

(a) WAR AND SECOND WAR REVISION : incorporating the Military Grid, will be completely superseded during 1947 by the Sixth (New Popular Edition) incorporating the National Grid.

These maps, produced in enormous numbers for use by the armed forces in the United Kingdom, were not up to the high standard expected of Ordnance Survey productions. They did, however, fill the gap until the new Edition was ready.

They are sold in one form, *i.e.* paper flat and the price is 2/- per copy. (Specimen : Plate 7 ; Index : Plate 8).

(b) SIXTH (NEW POPULAR) EDITION : incorporating the National Grid.

The sheets of Northern England and Wales in this series are based on the Fourth Edition. Those of Southern England, approximately up to a line running through Birmingham, are based on the Fifth Edition, the publication of which was begun in 1931. Corrections and additions are continually being made to plates and will appear on the maps as they are printed. The roads and railways especially will be kept up to date as far as modern rapid development allows.

These maps are as up to date as possible, but in the North of England are in provisional form. The term "provisional" is used to describe maps which are not up to the standard of quality usually associated with the Ordnance Survey. The provisional edition is

being produced on the final sheet lines, enabling the provisional work to be replaced by the final work sheet by sheet without inconvenience. It will also make possible the retention of any part of the provisional work which is found to be fully up to standard. All sheets are standard size, 40 Kilometres or 24·85 inches West to East, 45 Kilometres or 27·96 inches South to North, covering an area of approximately 700 square miles.

Before the Fifth Edition, the One-Inch Maps of England and Wales were based on engraved copper plates. At each revision these plates were duplicated and corrected, and the One-Inch Maps were produced by transferring the engraved outline to stone or zinc. Engraving has now been abolished and the new map is being drawn for reproduction by the photographic process known as photolithography. This change in the method of reproduction, impossible to use for the provisional sheets, provides an opportunity for introducing numerous improvements and additions to the map although the well known style of the Ordnance Survey One-Inch has been maintained in all its essentials.

Improved symbols have been devised for railways and main roads ; the road classification has been simplified and adapted to modern conditions ; the Ministry of Transport road numbers are shown ; parish boundaries have been restored and new methods adopted for showing modern features, such as National Trust Areas, Youth Hostels, Wireless Masts and Electricity Transmission Lines, and Telephone Call Boxes in open country.

A more pleasing style of lettering has also been introduced, and the alphabets which have been specially designed for the map, whilst giving a maximum of legibility, are modern in character and greatly improve the style and general appearance of the sheets. Water is shown in blue ; woods in green ; Ministry of Transport class A roads in red ; class B roads in orange. Contours are printed in brown at 50 feet intervals.

On the New Popular One-Inch maps the grid lines are 1 Km. apart. This makes them particularly suitable for reading normal National Grid references. An example of the method of reading such a reference is given in the South margin of each map.

It should be noted that each kilometre square on the map covers the same area as one of the new Ordnance Survey 1/2,500 plans, which are numbered by the full kilometre reference of their South-West corners. Consequently, the One-Inch Map is a complete index to the new 1/2,500 maps. The 10 Km. squares are likewise a complete index to the Two-and-a-half Inch (1/25,000) series. *

Price per sheet :—paper flat, 2/- ; paper folded, 2/3 ; mounted on linen and folded in covers, 3/- ; mounted on linen in sections to fold, 5/-. (Specimen : Plate 3 ; Index : Plate 4 ; Symbols Plate 1).

* In order to eliminate in coastal areas a number of sheets covering a small portion of land only, some sheets have been extended beyond the normal 10 Km. square. These sheets are designated by the Full Ten-Kilometre Reference of the parent sheet.

(c) **OUTLINE EDITION (NEW POPULAR).** This Edition of the One-Inch map is published for those who require an outline for over-drawing, for engineering and similar purposes.

It will be printed with the outline in black, and with woods, public parks, etc, in grey, except for Provisional sheets where tree symbols are used instead of the grey colour. Heights in feet above the Mean Sea Level are shown but contours are omitted.

(Specimen : Plate 2 ; Index : Plate 4).

Price per sheet :—paper flat, 2/-.

The One-Inch Maps of SCOTLAND are prepared in the following forms :—

(a) **WAR AND SECOND WAR REVISION :** incorporating the military grid will be replaced during 1947 by the Popular Edition with the National Grid. These Maps were produced under the same conditions as the similar maps for England and Wales, and are sold in one form, *i.e.* paper flat, price 2/- (Index: Plate 6).

(b) Hitherto small scale maps of Scotland and of England and Wales were drawn on different projections and based on different meridians. Now projection and meridian are the same for all ; and the Scottish sheets bear the National Grid. Modern methods of photo-lithography have improved the character of the Map, and have speeded up production.

The size of the normal sheets of the Series is 28 x 19 inches. Each sheet has an overlap of at least one inch on to adjacent sheets. Contours are printed in brown at 50 feet vertical intervals ; those at 250 feet intervals (250', 500', 750', etc.) are emphasized by means of a thickened line, and the relief can thus be seen at a glance. Water is printed in blue and woods drawn in symbol and coloured green. The main roads follow the Ministry of Transport classification. "A" roads are coloured red, "B" roads are coloured orange and other motor roads are shown narrower and coloured orange. Minor roads are uncoloured. Steep gradients are indicated by means of a special symbol. Parish boundaries and names are clearly shown. Parks, moorland and un-enclosed rough pasture, sand, marsh, and rocks are all indicated by means of distinctive symbols, and special attention has been paid to the delineation of footpaths.

Price per sheet :—paper flat, 2/- ; paper folded in covers, 2/3 ; mounted on linen and folded in covers, 3/- ; mounted on linen in sections to fold, 5/-. (Specimen: Plate 5; Index: Plate 6).

(c) **OUTLINE EDITION :—**Outline in black.

Price, flat unmounted, 2/-. (Index : Plate 6).

"TOURIST" MAPS.

The only sheet of this deservedly popular pre-war series of which the reproduction material was not destroyed by enemy action is the "Lake District" sheet. It needs no introduction. Copies are now available fully coloured ; paper flat 2/6 ; paper folded 2/9 ; mounted and folded in covers 3/9 ; dissected and folded in covers 5/6. (Specimen : Plate 9).

The reconstitution of other Tourist Maps, to be based on the New Popular 6th Edition One-Inch Map series, is now under consideration.

HALF - INCH MAPS

(a) The preparation is in hand of an entirely new Half-Inch series incorporating the National Grid. Details will be published later, but it is to be noted now that sheets will be larger than in the pre-war edition and will be of a standard size. The sheets are so planned that important tourist and other districts will be conveniently covered.

(b) GREATER LONDON—This map was produced in 1935, since when it has been revised periodically. It is a fully coloured map with layer and hill shading in the style of the old Fifth (Relief) Edition of the One-Inch Map. 'A' and 'B' Ministry of Transport Roads are coloured distinctively and numbered, and wooded areas are tinted green. It is a particularly large sheet reaching from Aylesbury to Strood, and from Royston to Horsham, and as such is a boon to Londoners for week-end expeditions into the countryside. It is also published in outline only on thick paper, with woods tinted grey and with water in blue, suitable for the office plotting of boundaries, administrative detail, etc.

Price :—Fully coloured: paper flat, 2/6: paper folded, 2/9; mounted and folded, 3/9; dissected and folded, 5/6. Outline Edition : paper flat, 2/-. (Specimen: Plate 10).

The reproduction material for no other of the pre-war Half-Inch District sheets has survived the war.

(c) HALF-INCH ENGLAND & WALES COUNTY ADMINISTRATIVE MAPS.

Separate maps of each county are published on this scale. The Ridings of Yorkshire are published separately, and the County of Devon and the West Riding of Yorkshire are both published in two parts, North and South.

The series is available in two styles :—

(i) Fully coloured showing in red the following Administrative Areas :—the Administrative County, County and Municipal Boroughs, Urban and Rural Districts, Civil Parishes and Catchment Areas ; in green the following Parliamentary Areas :—Parliamentary County, County Division, Parliamentary Boroughs and the Divisions of Parliamentary Boroughs ; and in black the incidence of the National Grid ; all are overprinted on a grey base.

Price 4/6.

(ii) In red, the Local Government boundaries only, and the National Grid in black, on a grey base.

Price 3/-.

London is published at the One-Inch Scale in similar styles and corresponding prices.

There is also a version of the Outline Edition of Greater London (see (b) above) printed in grey and overprinted with all the information of the fully coloured county series, with, in addition, the boundaries of the Metropolitan Police District, the London and Metropolitan Traffic and L.P.T.B. Areas.

Price 4/6.

The county series is also obtainable price 3/- without boundary overprints merely to show the relationship between the old county and new National Grid sheet lines of the 1/2,500 and Six-Inch series.

(d) The County Administrative Maps for SCOTLAND are published in four sheets. Sheets 1, 2, and 3 on the Quarter-Inch scale, and Sheet 4, (covering Caithness, Inverness, Orkney, Sutherland, Zetland, Ross and Cromarty) on the Ten Mile scale. They show in colour the boundaries of all Burghs, Civil Parishes, and Parliamentary Areas.

Price 4/6 per sheet fully coloured ; 3/- in Grey with Civil Parish boundaries overprinted in red. In Grey outline showing the sheet lines of the Six-Inch Scale maps, price 2/-.

QUARTER-INCH MAPS

(Specimens and Indexes : Plates 11 & 12).

(a) For many years the Quarter-Inch Maps have been the standard Ordnance Survey Motoring Maps of the country. Their usefulness was greatly increased by a re-arrangement of the sheet lines and by showing the Ministry of Transport road numbers and classification.

The National Grid has been added to this series. The squares of this grid form a complete index to the new 1/25,000 series. The

sheet lines have been arranged to make each sheet cover an area considered most convenient to motorists and other users of the map. The roads are classified according to their character, and main roads with the Ministry of Transport numbers and classifications are clearly printed in red. Relief is indicated by means of contours and layer colouring ; water is shown in blue, and the map, as well as being a complete and easily read motoring map, is an effective physical map of the country. The sheets are in various sizes in order to give each its maximum usefulness.

Eleven sheets cover England & Wales and eight cover Scotland, each series being numbered independently with the exception of sheet 1, "The Border," which is common to both. It should be noted that there is no sheet 5 in the English series, and that the Scottish sheets 8 & 9 are printed and published together for the price of one normal sheet.

Price per sheet :—paper flat, 2/6 ; paper folded in covers, 2/9 ; mounted on linen and folded in covers, 3/9 ; mounted on linen and cut into sections to fold, 6/- (Specimen : Plate 11 ; Index : Plate 12).

(b) **OUTLINE EDITION.**—Printed in black with woods in grey. Contours are omitted from this edition. Price per sheet, paper flat, 2/-.

(c) **QUARTER-INCH CIVIL PARISH INDEXES**, with Petty Sessional Divisions are published for all the Counties of England and Wales, the boundaries shown on the maps are corrected from time to time from the latest information received. Price 9d.

TEN-MILE MAPS

The pre-war Ten-Mile Layered Outline, and Road Maps of Great Britain are no longer available. Their place has to some extent been taken by the series described in the next section at the 1/625,000 scale which approximates to ten miles to the inch.

1/625,000 MAPS

(About 10 miles to One Inch).

(Specimens : Plates 13 to 16).

Sheet 1 shows Scotland and England, north of Kendal.

Sheet 2 covers remainder of England and Wales.

A series of maps of Great Britain is being produced at this scale in two sheets. The maps are on the Transverse Mercator Projection and carry the new National Grid lines at ten kilometre

intervals. The Grid not merely provides a system of reference, but constitutes an index to the sheets of the new 1/25,000 series described in another pamphlet. The scale, which is 9·78 miles to 1 inch, is in a simple decimal relationship to the standard large-scale maps and plans, and so forms part of the National Cartographic System. The series was initiated at the suggestion of the Advisory Maps Committee of the Ministry of Works and Planning (later the Ministry of Town and Country Planning), whose members included representatives of the British Association, National Atlas Committee, and whose function was to advise on the preparation of maps for planning purposes.

Maps which are published or are in preparation at this scale form a related series depicting the primary physical, economic, human, and social facts concerning the country as a whole. While the Series is sponsored by the Departments concerned with planning, including the Department of Health for Scotland, and co-ordinated by their Advisory Committees, they are not confined to maps prepared by those Departments but include, for example, maps prepared by the Ministry of Agriculture, the Geological Survey, and independent research organisations such as the Land Utilisation Survey. The series will be found valuable not merely by those who are concerned with planning, but by all who desire to see in convenient form essential facts about Britain as a whole. The series, as a result of careful research and compilation in which various Government Departments have collaborated, will provide in colours and symbols a clear and graphic account of vital factors concerning present-day Britain. Such a related series should be invaluable to schools, business men, and administrators, and constitutes the nucleus of a National Atlas. For some maps in the Series, Explanatory Texts will be published. Maps already published include :—

(a) BASE MAP.

This is printed in black and constitutes a standard base or underprint to all others in the Series where it appears in grey. It shows all towns and many villages, Class 1 roads, railways and canals, and rivers and lakes, and the various district and physical names, as well as the counties. It is available in grey as a separate outline map for those who want a base on which to plot data.

Price 2/- each.

(b) ADMINISTRATIVE AREAS.

This shows local government areas larger than parishes. It is printed in six colours and shows the Administrative Counties, County and Municipal Boroughs, Urban and Rural Districts, and the Metropolitan Police District in England and Wales, and Counties

of the City, Large and Small Burghs and District Council areas in Scotland. It provides for the first time a complete map showing all the administrative units of the country, and gives among other information the exact extent to which boundaries extend below low water mark. It should prove invaluable to all who are in any way concerned with units of Government.

Printed in colour, price 5/- each. Paper flat. (Specimen Plate 13).

(c) LAND UTILISATION.

This map, compiled from the Field Survey carried out on the scale of six inches to one mile, and printed in six colours, gives in slightly generalised form a picture of the countryside as it was before the war. It distinguishes Woodland, Grass, Arable, Heathland, Moorland and Rough Pasture, Orchards and Nursery Gardens, and the chief urban areas, and was prepared by the Land Utilisation Survey of Britain. It reveals the very complex pattern of land use resulting from the interplay of various physical and economic factors and is important to all concerned with problems of land and its uses.

Printed in colour, price 5/- each. Paper flat. (Specimen : Plate 14).

(d) TYPES OF FARMING.

This shows in a variety of colour 17 main types of farming in England and Wales, and 13 in Scotland based on the proportions of arable and grassland, and on the dominance of farming enterprise within each area. It was prepared for England and Wales by the the Ministry of Agriculture and Fisheries, and for Scotland by the Land Utilisation Survey of Britain in conjunction with the Department of Agriculture for Scotland. It presents a picture of the very diversified farming practice of the country resulting from both physical and marketing influences and is complementary to the map of Land Utilisation.

Printed in colour, price 5/- each. Paper flat.

(e) LAND CLASSIFICATION.

This map, compiled from information collected in 1938-42, shows in colour ten main classes of land of varying qualities, distinguished by the Land Utilisation Survey as the result of a special investigation into the inherent agricultural value and productivity of the Land. The Map indicates relative fertility and provides an illuminating commentary on the value of the nation's most precious permanent asset. It constitutes a valuable guide to national planning.

Printed in colour, price 5/- each. Paper flat.

(f) POPULATION DENSITY. Based on the 1931 Census.

This map shows, by six varying tints of brown, the relative distribution of population, ranging from Virtually Uninhabited Areas to Very Dense Urban according to the census of 1931, the latest available source of detailed information.

Printed in colour, price 5/- each. Paper flat.

(Specimen : Plate 15).

(g) TOPOGRAPHY.

This map consists of the Base Map overprinted with layer tints at 100, 300, and 500 metres with the addition of the 50 metre contour. It will be found a convenient base on which to print or draw other information, such as details of lines of communication which require to be studied in relation to the relief of the Land.

Printed in colour, price 5/- each. Paper flat.

(h) COAL AND IRON.

This shows the Coalfields, distinguishing Exposed, Concealed (proved) and Concealed (probably present), and the Ironfields, according to the most recent investigations of the Geological Survey, and each coal-mine or iron-mine or quarry graded according to size. Generalised sections through the chief coalfields are shown as insets. It provides a detailed and accurate picture not hitherto available of the position, extent and relative significance of our two most important basic extractive industries.

Printed in colour, price 5/- each. Paper flat.

(i) IRON AND STEEL.

This map is complementary to that of Coal and Iron. Against the same background of Coal and Iron-fields are shown the Blast Furnaces, Steel Works, Coke Ovens and Limestone Quarries of the industry, the works being graded by symbols according to their capacity and distinguished according to type.

Printed in colour, price 5/- each. Paper flat.

(j) POPULATION OF URBAN AREAS.

This map shows the relative sizes of all towns throughout the country. For each town a circle is drawn whose area is in exact proportion to its 1938 population. These circles are coloured red and names are printed in black over a grey base, different sizes of type being used to indicate the administrative grades of the towns. The result is a map that shows at a glance the exact distribution of our urban population which constitutes about 80 per cent. of the total for England and Wales and 60 per cent. for Scotland.

Printed in colour, price 5/- each. Paper flat.

(k) ROADS.

This map shows in distinctive colours the Trunk Roads and Routes, Class I and Class II Roads, with the numbering of the Ministry of Transport. Printed over the standard base, it permits roads to be studied in relation to topography and other modes of transport, etc. It also shows the positions of R.A.C. and A.A. telephone boxes. Relief is indicated by layer tints as described in para. *(g)* dealing with the Topography map.

A useful inset shows the roads in the congested London area very clearly.

As a reliable, simple, legible road map, mounted in a very convenient form, and covering the whole of Great Britain, it will appeal strongly to motorists.

Price per sheet :—paper flat 2/6 ; mounted and folded 5/- ; both sheets mounted in sections back to back 15/- ; (Specimen Plate 16).

(l) RAILWAYS.

This map distinguishes by colour the main systems, showing the number of tracks (single, double, four or more) and such details as electrification and narrow gauge lines. Insets on a larger scale for the London and Glasgow areas show the Underground railways in full and mark all the stations. It provides for the first time a comprehensive and up-to-date map of British railways.

Price per sheet 5/-, paper flat.

(m) ELECTRICITY : STATUTORY SUPPLY AREAS.

This map shows the areas and names of all Distributors and Power Companies, and distinguishes local authorities and Joint Boards and other Companies.

Price per sheet 5/-, paper flat.

(n) VEGETATION ; GRASSLANDS OF ENGLAND & WALES.

This map was compiled in 1940 by the Welsh Plant Breeding Station on behalf of the Ministry of Agriculture and Fisheries. It defines by colour symbols eight groups of permanent grass areas, three groups of fescue pastures and seven upland and five lowland groups of rough grazing types. Urban areas are distinctively coloured red. It is yet another essential map for schools, scientists and agricultural planners. The main map sheet, like sheet 2 of the rest of the series, covers England and Wales, south of Kendal, but a supplementary northern strip has been published for England northwards to the Border.

Price per main sheet 5/-, paper flat :

Price per northern strip 2/6 paper flat.

MAPS IN COURSE OF PREPARATION :—

(o) GEOLOGICAL MAP OF SCOTLAND.

The new Geological Map of Scotland and the North of England, on the scale of 1/625,000, will incorporate the main results of much research work that has been carried out in this region during the last 36 years. It will bring up to date our knowledge of the character, distribution and relationships of the very varied solid rock formations represented in the region covered. It will unquestionably play an essential role both as a standard work of reference for the professional geologist, and as a compact and easily followed guide for the growing number of those who take an interest in the geological framework of the country in which they live. To teachers of geology in our Universities, Colleges and Schools it will prove an indispensable feature of the classroom ; to those who are concerned in the industrial development of the country it will provide a useful key to the distribution of the rock groups of economic or potentially economic value ; and to many others, it is hoped, it will furnish an introduction to the study of a perennially fascinating subject.

(p) Other maps in preparation cover such subjects as Gas Supply ; Population Changes and Population Migration ; Economic Minerals ; Ports ; Electricity Supply Lines ; Physical Features.

1 : M (1:1,000,000) MAPS

15·782 miles to One Inch

(Specimens : Plates 17 & 18).

(a) MAP OF GREAT BRITAIN in two sheets in the style of the International 1/M map, but incorporating the National Grid and with the Contours deleted for the sake of clarity. On the International map Great Britain falls on no less than 7 sheets and it was mainly due to this inconvenience that the Ordnance Survey decided to produce this Edition in two sheets. In this form one is better able to appreciate the real merit of the International Map.

As a physical map of the country these sheets are very satisfying. The system of layer colouring brings out the relief with great clearness, and streams, rivers and canals are clearly shown in blue. Communications are also very well delineated, the principal roads being shown by means of strong red lines and secondary roads by finer red lines. Railways are shown in black, double and single tracks and narrow gauge and light railways being distinguished.

These sheets will be found invaluable by anyone requiring a general map of the country in convenient form, and their value is increased by the fact that they are drawn on the international convention and are, therefore, readily comparable with maps of the published sheets in the International style of the dominions and foreign countries.

Price per sheet, 3/9 paper flat (Specimen : Plate 17).

(b) PHYSICAL MAP OF ENGLAND WALES.

The Physical Map of England and Wales, on the scale of 1/M is designed chiefly for the use of students of History and Geography, but will be found to meet the requirements of all who need a clear, single sheet Physical Map of the country.

The revised map measures 30" x 22" and embraces Edinburgh on the north and the Island of Jersey on the south. Contours are shown at 50, 100, 200, 400, 800, 1,200, and 2,000 feet and the sheet is orographically coloured in tints of red, brown and green; the lower levels are coloured in graduated shades of green whilst a series of red and brown tints are used to indicate the higher ones. Sea bed contours at 5, 10, 20, 30, 40, 50, and 100 fathoms are also shown and emphasized with shades of blue. Rivers and streams are coloured blue, and the principal physical features are brought out with the greatest clearness.

Price :—paper flat, 2/-. (Specimen : Plate 18).

(c) PHYSICAL MAP OF SCOTLAND. A Physical Map of Scotland is published, uniform with the above, but with additional contours and colourings for 3,000 and 4,000 feet, and overlapping England on the border.

Price, paper flat, 2/-.

PERIOD MAPS

(Specimens : Plate 19).

(a) ROMAN BRITAIN. On the Scale of 1/M (1:1,000,000 or 15.782 Miles to one Inch). The second edition of the Ordnance Survey Map of Roman Britain is a complete representation of Britain during the time of the Roman occupation.

Roman roads, towns, villages, potteries, mines, and various classes of military sites (fortresses, permanent and temporary forts and signal stations) were shown on the first edition of the map. In addition to these, the later sheet includes villas and other large houses, mile stones, inhabited caves, and some further classification

of military sites, whilst areas of natural woodland (dense and open) have been restored on a geological basis and are clearly marked.

The physical basis has been much improved by the adoption of a new system of printing the layer tints, which shows the relief with great clearness and does not obscure other detail.

A very large number of new sites are plotted for the first time and certain pre-Roman roads, such as the Icknield Way and the Harroway, have been added, as have the numbers of the "Iters" in the Antonine Itinerary.

The area of the map has been extended northwards in order to show the limits of the Roman penetration into Scotland.

The map reveals the distribution of the civil and military population, and the influence of physical features on the settlement of the country, and the course of the roads. Boldly designed and printed in attractive colours, it can be used effectively as a Wall Map. It is sold either flat or folded in covers, and with the folded edition is bound up an explanatory account of its contents with a list of reliable books on the Roman Occupation, a chronological table of important events between B.C. 55 and A.D. 407, and an index of the names on the sheet.

Prices :—paper flat (map only), 3/- ; mounted on linen and folded in cover with letterpress, 6/- ; (Specimen : Plate 19).

(b) **BRITAIN IN THE DARK AGES.** On the same scale and physical basis as "Roman Britain," but in two sheets, Northern and Southern, showing towns, villages and other sites of historical importance in the period (A.D. 410-871) ; also Anglo-Saxon cemeteries, crosses, memorial stones, ditches, etc.

Price, paper flat (map only), 3/-.

Explanatory Pamphlet 2/-.

GAZETTEER

This book gives all the towns and principal villages of Great Britain in two sections, one covering England and Wales and one covering Scotland. Place names are listed alphabetically and the National Grid reference of each is given to ten Kilometres. The 10 kilometre reference reveals *ipso facto* the Two-and-a-half Inch (1/25,000) map sheet on which a town or village is shown, and inspection of one of the two index diagrams provided will reveal in which One-Inch or Quarter-Inch map sheet it lies.

Price, 5/- per copy.

MISCELLANEOUS PUBLICATIONS

(a) CHANNEL ISLANDS.

In addition to the maps of Great Britain the following maps of the Channel Islands are published :

(i) JERSEY.—On the scale of 2 inches to 1 mile, with roads classified, and contoured at 25 feet intervals and layered.

Price :—paper flat, 2/- ; paper folded in covers, 2/3 ; mounted and folded in covers, 3/- ; cut into sections and folded in covers, 5/- ; (This map is also available on the scale of 4 inches to 1 mile in black outline only, in two sheets, price 2/- each).

(ii) GUERNSEY.—On the scale of 3 inches to 1 mile, in the style of the above map of Jersey.

Price :—paper flat, 2/6 ; paper folded in covers, 2/9 ; mounted and folded in covers, 3/9 ; cut into sections and folded in covers, 5/6.

(iii) ALDERNEY.—On the scale of 6 inches to 1 mile, with contours at 10 feet intervals. Price, paper flat, 2/-.

(b) THE SCILLY ISLES.—On the scale of 2 inches to 1 mile and printed in relief.

Price : paper flat, 1/6 ; paper folded, in covers, 2/- ; mounted and folded in covers, 2/6 ; cut into sections and folded in covers, 3/9.

(c) OUTLINE MAPS.

No. 1, which is not yet available. In two sheets, each 29 x 21 inches ; (a) Scotland, and (b) England and Wales. These maps are intended mainly for those who are preparing distribution maps for publication. Coast lines and rivers only are shown, printed in bold black lines on paper suitable for drawing or colouring. They can be photographically reduced to as small a size as 5 x 3½ inches without loss, and will be found of great use to scientific workers and schools.

No. 2. This shows the coast line of England and Wales, with boundaries and names of counties. Size 15 x 12 inches. Price 3d.

(d) ROYAL BOTANIC GARDENS, KEW. Plan in colours scale 12 ins. to 1 mile, with index to important specimens and diagram of train, tram and bus approaches. Price, on paper, 3d.

(e) 1¼ MILLION, GREAT BRITAIN. The scale is half that of the 1/625,000 Ministry of Town and Country Planning series, and it is intended that the black and white outline sheet already published shall form the base map for a series sponsored by the same Ministry and similar in scope to their 1/625,000 series described in

detail on page 10, *et seq.* It is in fact sufficient description to say that the 1½ Million Outline sheet is the two 1/625,000 Base Map sheets reduced and adapted for display on one sheet only.

Price, paper flat 2/-. (The coloured sheets of the projected series will be 5/- each).

ORDNANCE SURVEY SMALL-SCALE MAPS may be obtained from all the principal Booksellers, Stationers, and Railway Bookstalls throughout Great Britain ; also the Publication Sales Offices of His Majesty's Stationery Office.

If the sheet you want is not yet available, this is because the whole of the Ordnance Survey was engaged on the production of operational maps for the Fighting Forces and because much pre-war map production material was destroyed by enemy action. And if you cannot buy a published map in a mounted style, it is because cloth supplies are limited. Paper styles are usually available in lieu.

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Complete sets of the 6 inch, 25 inch, and larger-scale Plans of England and Wales, and of the 6 inch Plans of Scotland, are stocked by Messrs. E. Stanford, Ltd.

LONDON : SIFTON, PRAED AND CO., LTD.,
67, St. James's Street, S.W.

A complete set of the 6 inch Plans of Great Britain is stocked at this Agency as well as 25 inch Plans of the Home Counties.

EDINBURGH : W. & A. K. JOHNSTON, LTD.,
Edina Works, Easter Road.

Complete sets of the 6 inch, 25 inch and larger scale Plans of Scotland are stocked by Messrs. W. & A. K. Johnston, Ltd.

ENGLAND AND WALES

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ENGLAND AND WALES—Continued

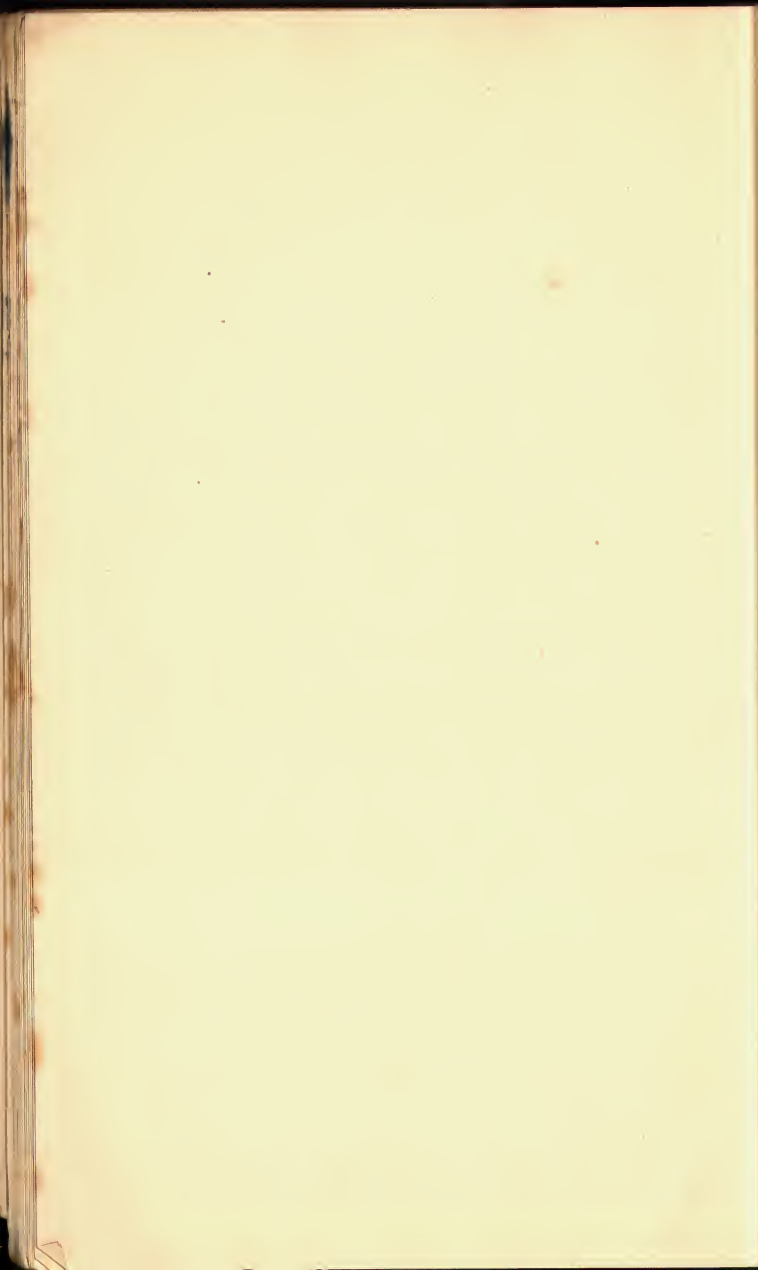
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SCOTLAND

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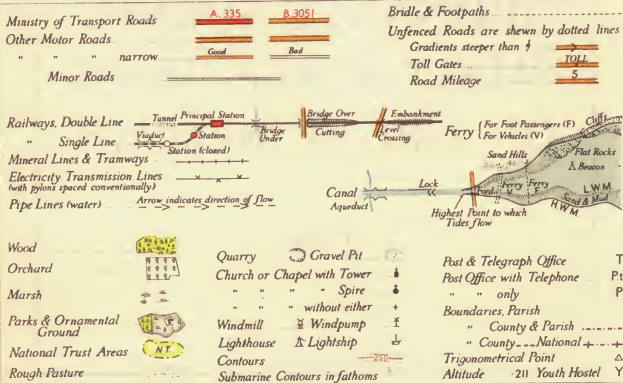
SPECIMENS
AND INDEXES
of the
ORDNANCE SURVEY
SMALL-SCALE MAPS
OF GREAT BRITAIN

1947

PLATE 1



Symbols used on the "ONE-INCH" Maps—NEW POPULAR



*Symbols used on the "ONE-INCH" Maps (England and Wales),
NEW POPULAR PROVISIONAL EDITION*

PLATE 2



A small portion of Sheet 173.

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Size of Sheet : 25" x 28".

"ONE-INCH" MAPS (England and Wales),
NEW POPULAR (OUTLINE EDITION) (with National Grid)

PLATE 3



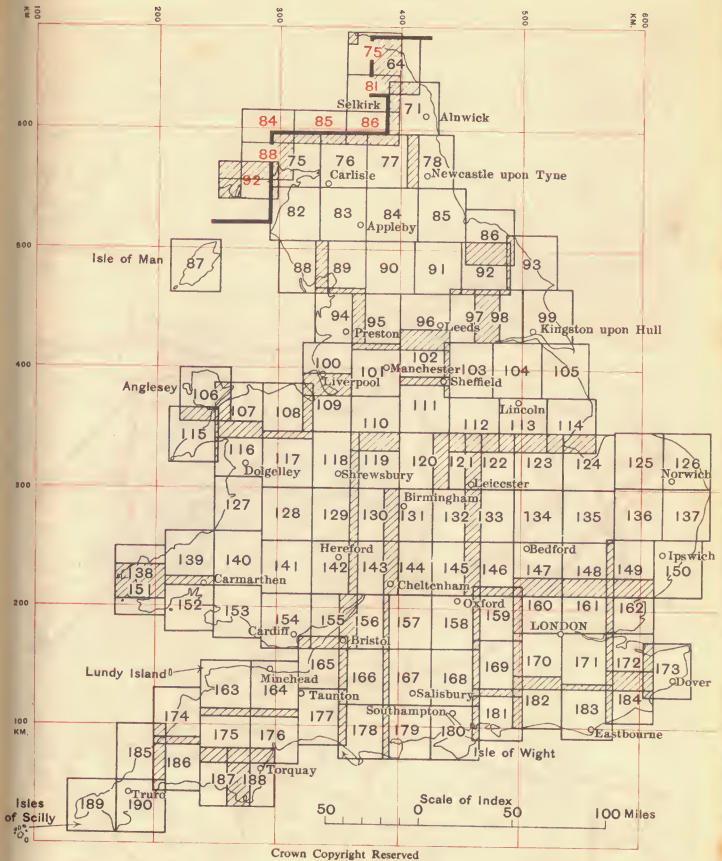
A small portion of Sheet 173.

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Size of Sheets : 25" x 28".

“ONE-INCH” MAPS (England and Wales),
NEW POPULAR EDITION (with National Grid)

PLATE 4



INDEX TO THE SHEETS OF THE ORDNANCE SURVEY "ONE-INCH" MAP OF ENGLAND AND WALES *New Popular Edition*

The red figures indicate the numbers of the Scottish Sheets near the Border.

PLATE 5



A small portion of Sheet 72.

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"ONE-INCH" MAPS (SCOTLAND), POPULAR EDITION (with National Grid)

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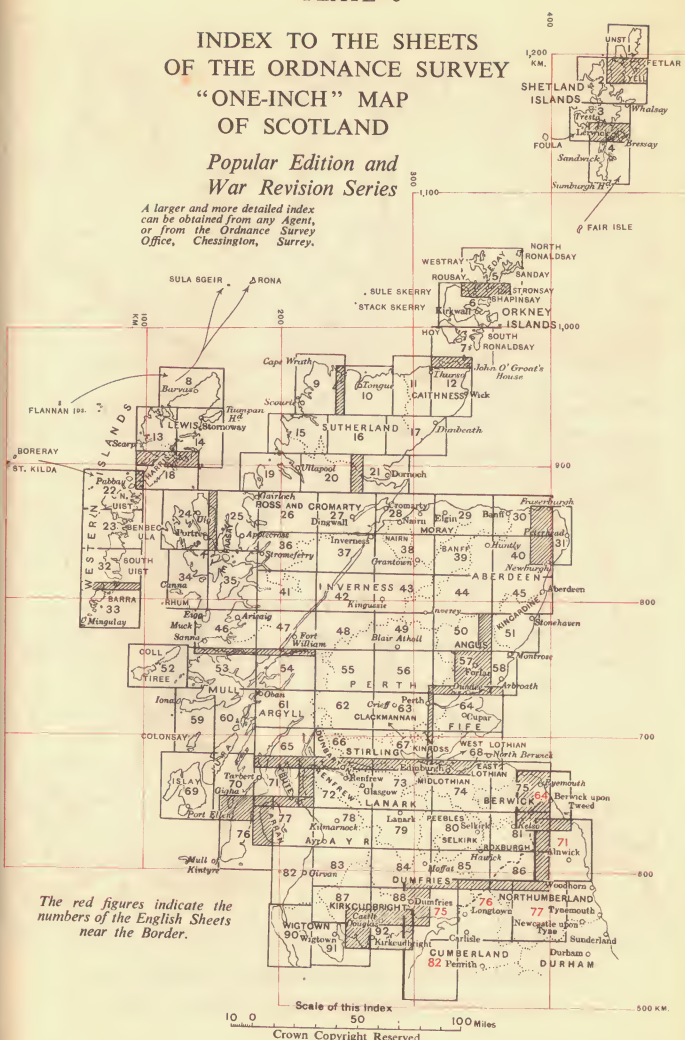
An Outline Edition of this Series is also available.

PLATE 6

INDEX TO THE SHEETS OF THE ORDNANCE SURVEY "ONE-INCH" MAP OF SCOTLAND

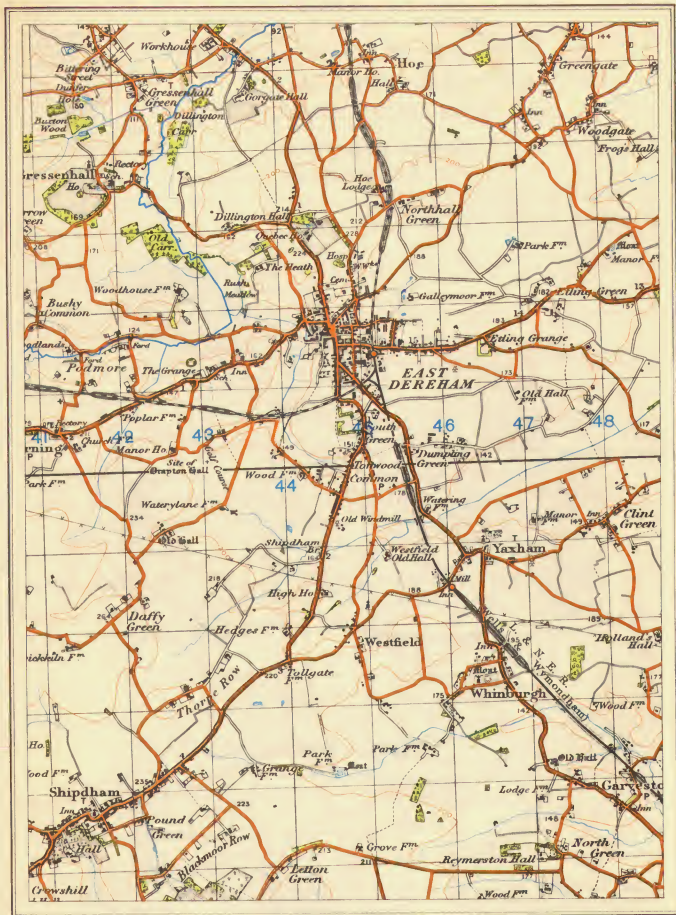
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War Revision Series*

*A larger and more detailed index
can be obtained from any Agent,
or from the Ordnance Survey
Office, Chessington, Surrey.*



*The red figures indicate the
numbers of the English Sheets
near the Border.*

PLATE 7



A small portion of Sheet 66.

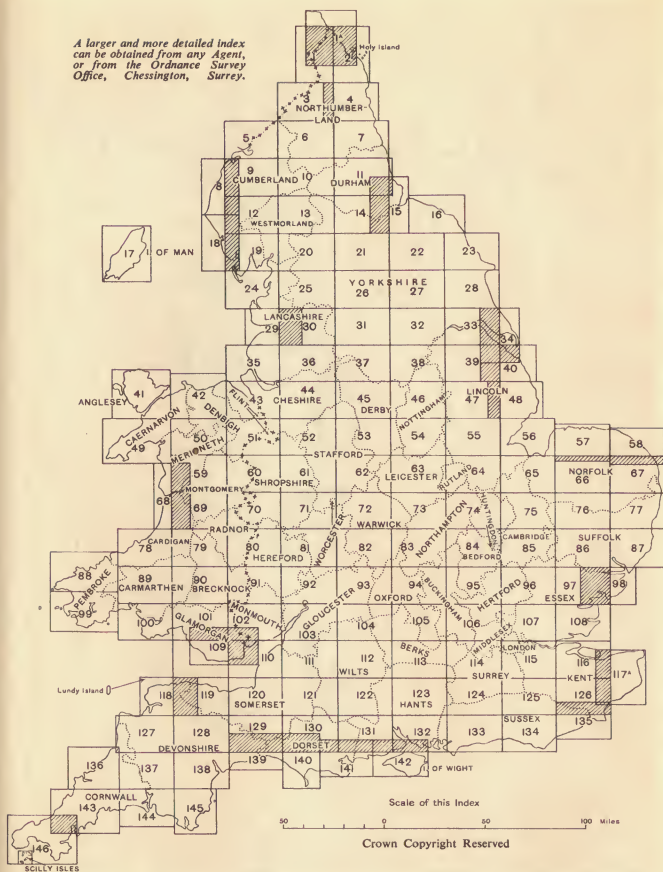
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“ONE-INCH” MAPS (England and Wales),
2nd WAR REVISION (with Military Grid)

PLATE 8

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INDEX TO THE SHEETS OF THE ORDNANCE SURVEY
"ONE-INCH" MAP OF ENGLAND AND WALES
War Revision and 2nd War Revision.

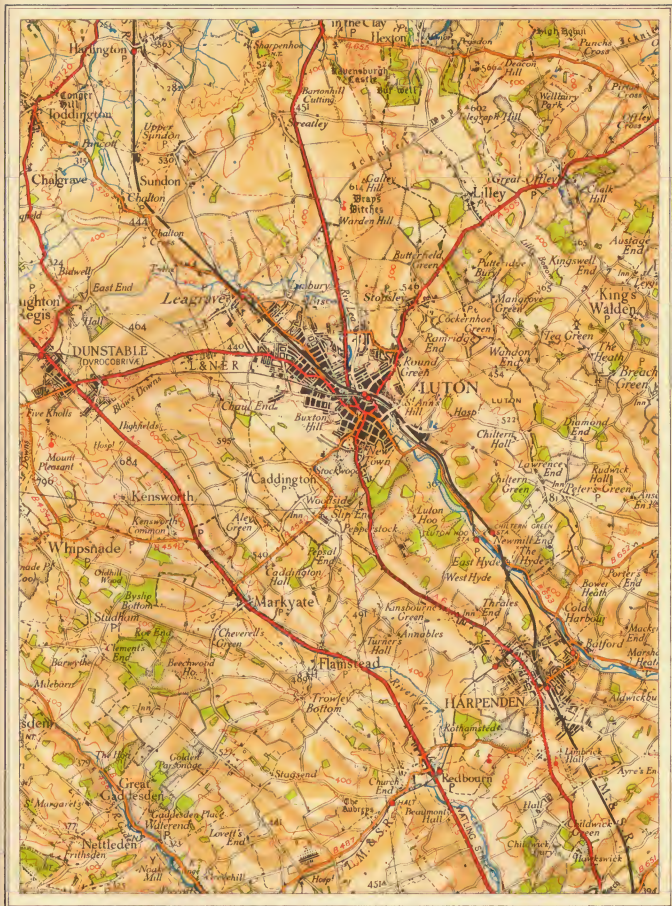
PLATE 9



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A portion of the
 "LAKE DISTRICT"
 One-Inch Tourist Map

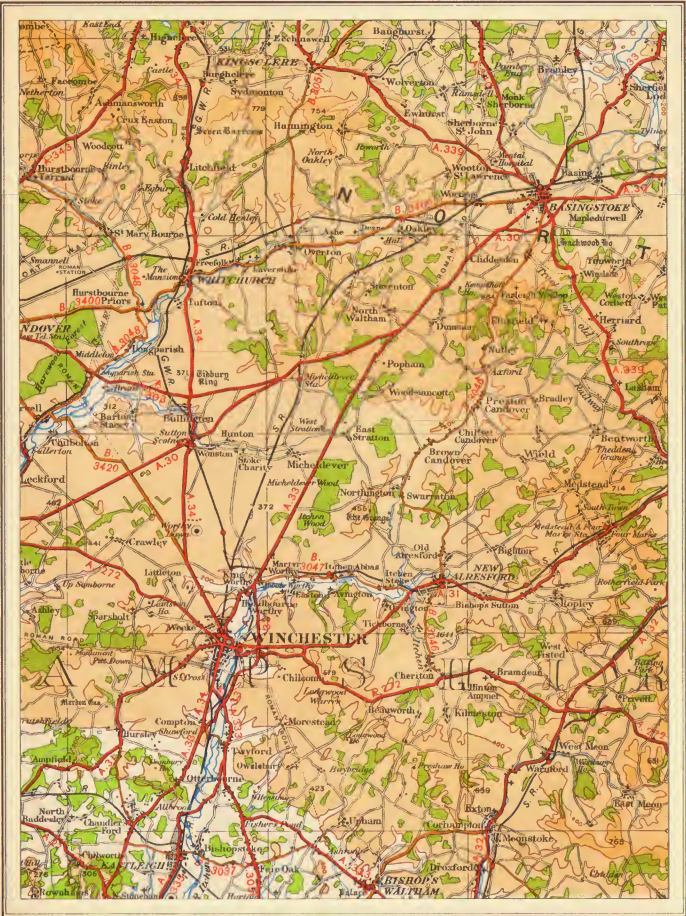
PLATE 10



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A portion of the
 “GREATER LONDON”
 Half Inch to the Mile Map

PLATE 11



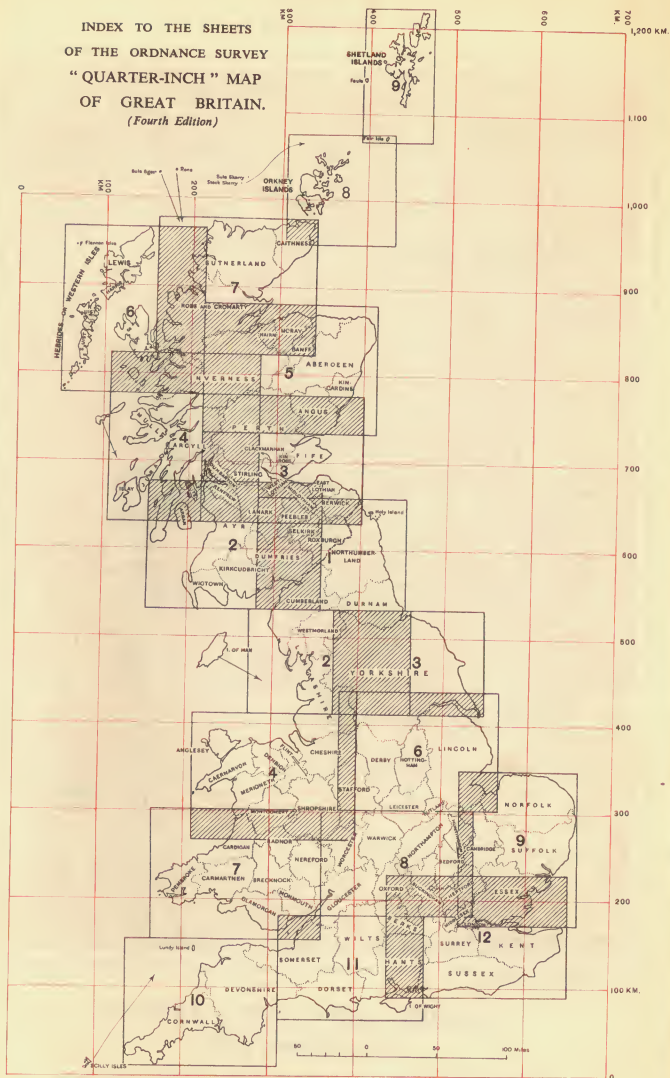
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Size of Sheet from 28" x 20" to 34" x 23"

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INDEX TO THE SHEETS
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"QUARTER-INCH" MAP
OF GREAT BRITAIN.
(Fourth Edition)



NOTE :—Orders for Maps should specify “England & Wales” or “Scotland.”

PLATE 13



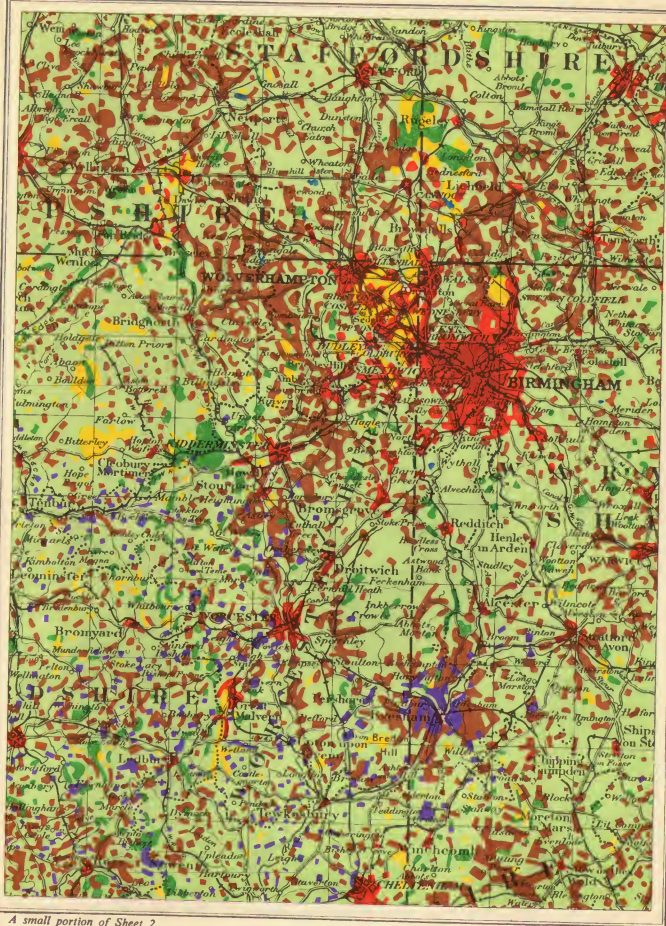
A small portion of Sheet 2.

Size : 39" x 30".

1:625,000 MAPS (GREAT BRITAIN)
(With National Grid).

ADMINISTRATIVE AREAS, IN TWO SHEETS.

PLATE 14



A small portion of Sheet 2.

Size : 39" x 30".

1:625,000 MAPS (GREAT BRITAIN)

(With National Grid).

LAND UTILISATION, IN TWO SHEETS.

PLATE 15



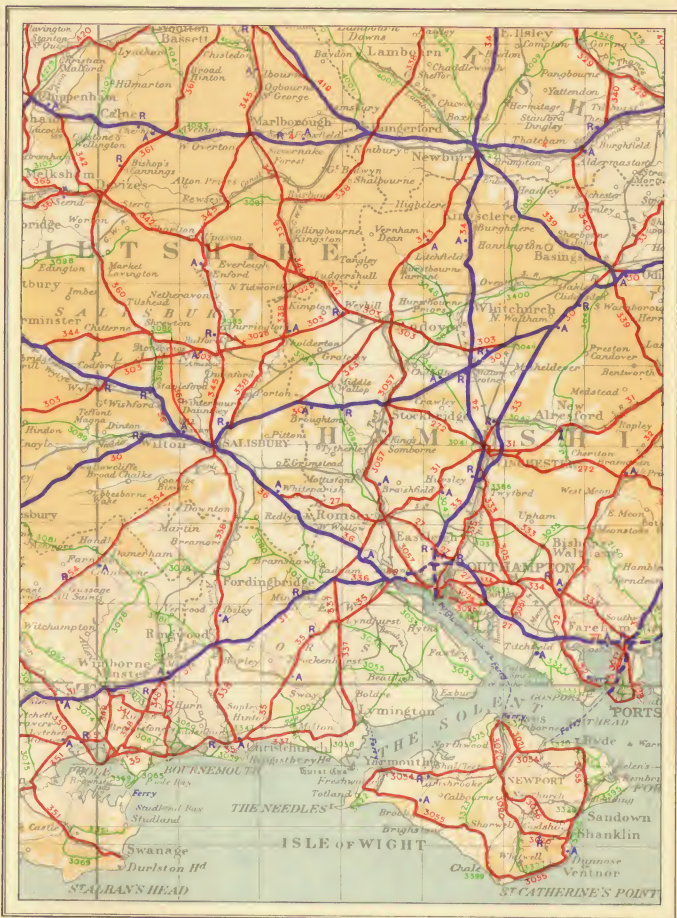
A small portion of Sheet 2.

Size : 39° x 30°.

1: 625,000 MAPS (GREAT BRITAIN)
(With National Grid).

POPULATION DENSITY, IN TWO SHEETS.

PLATE 16



1:625,000 MAPS (GREAT BRITAIN)
(With National Grid).

THE ROAD MAP, IN TWO SHEETS showing Ministry of Transport
Road numbers and classification.

PLATE 17



1/M. (1:1,000,000) MAPS (GREAT BRITAIN)
(With National Grid).

IN THE STYLE OF THE
INTERNATIONAL MAP OF THE WORLD.

PLATE 18

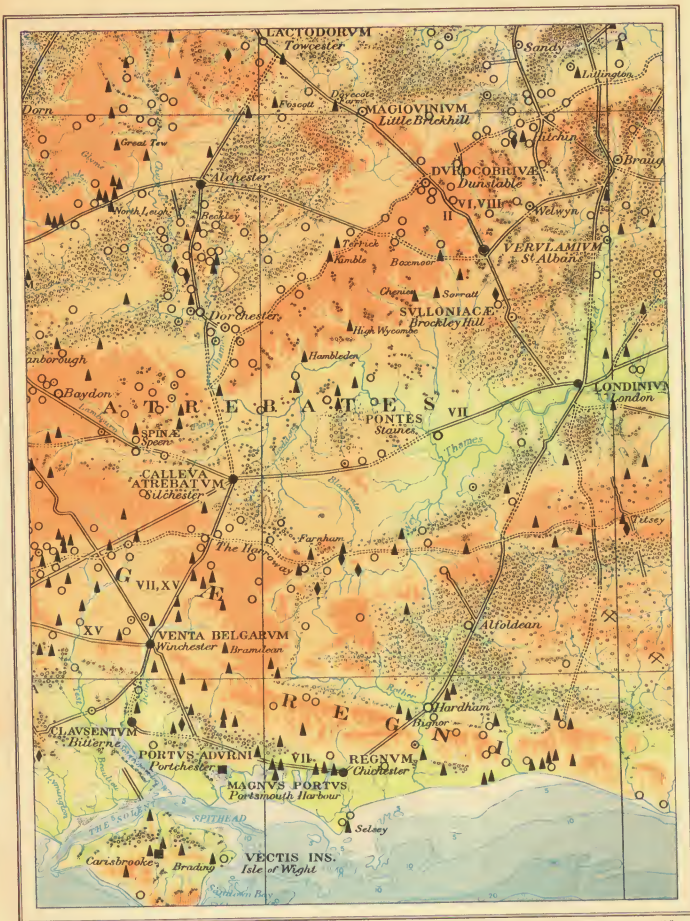


A small portion of England and Wales.

Size : 28½" x 21½".

1/M. (1:1,000,000) MAPS (GREAT BRITAIN)

PHYSICAL MAP



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Size of Sheet : $31\frac{1}{2}'' \times 21\frac{1}{2}''$.

PERIOD MAPS on the scale of 1/M.

A small portion of ROMAN BRITAIN.

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